

REMARKS/ARGUMENTS

CLAIM REJECTION – 35 USC § 102 and § 103

Claims 1, 3-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Wallstedt et al. (US Patent No. 5,903,834; hereinafter “Wallstedt”). Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wallstedt in view of Ogawa (US Publication No. 2003/0185287; hereinafter “Ogawa”).

Accordingly, independent claims 1 and 6 have been amended to further distinguish the present application from the cited references. It is respectfully submitted that Wallstedt and Ogawa, either individually or in combination, do not disclose all the limitations recited in amended pending claims. More specifically, with respect to amended independent claims 1 and 6, it is respectfully submitted that the cited references do not disclose at least the following recited limitations: (1) a sending antenna and a plurality of receiving antennas arranged around the sending antenna, such that the sending antenna sends the radio frequency signal and the plurality of receiving antennas receives the radio frequency signal; and (2) a receiving synthesis unit contained in the main unit case that performs diversity receiving with respect to the received radio frequency signals from the plurality of receiving antennas. No new matter is added by way of these amendments, as support for the amendments may be found, for example, in paragraphs [0021], [0022], and [0025] of the present application.

First, Wallstedt discloses a *single* sending antenna (Wallstedt, Fig. 3, item 6) and a *single* receiving antenna (Wallstedt, Fig. 3, item 7). In contrast, the present application has *multiple* receiving antennas (present application, Fig. 2, items 300a, 300b, 300c, and 300d) installed around the sending antenna (present application, Fig. 2, item 200). Each receiving antenna is connected to the synthesis unit (present application, Fig. 2, item 120) contained in the main unit case by a wired cable (present application, Fig. 2, items 350a, 350b, 350c, and 350d).

Second, Wallstedt does not disclose any receiving synthesis unit contained in the main unit case that performs *diversity receiving* on the received radio frequency signals from the plurality of receiving antennas (present application, paragraph [0025]) to reduce phasing variation and suppress degradation of the quality of the received signals. Although Wallstedt describes macro diversity (Wallstedt, col. 8, lines 21-34), e.g., a diversity combining unit, Wallstedt does not provide any unit that performs diversity receiving on the received radio

frequency signals *from the plurality of receiving antennas*, since Wallstedt only has a single receiving antenna.

For above reasons, amended independent claims 1 and 6 are patentably distinct from the cited references.

Dependent claims 2-5 directly or indirectly depend from claim 1 and are therefore respectfully submitted to be patentable over the art of record for at least the reasons set forth above with respect to the independent claims. Further, these dependent claims recite additional limitations that when considered in the context of the claimed invention further patentably distinguish the art of record.

CONCLUSION

Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should any fee be required for any reason related to this document, the Commissioner is hereby authorized to charge said fee to Deposit Account No. 504481, referencing Docket No. MES1P093. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,
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